

Abstract

It is an object of this invention to correct a receiving error of a data stream in a set-top box when a software program is distributed by using data broadcasting. A base station converts a software program into a data stream of DSM-CC data carousel type, divides the data stream into transport packets of MPEG-2 type, and distributes the software program to the set-top box via a communications satellite. If the set-top box detects any receiving error of the data stream, it requests the base station to resend the transport packet which has not been properly received. The base station then resends the requested transport packet to the set-top box via a public circuit.